

Title (en)
DISTRIBUTED LIGHTING NETWORKS

Title (de)
VERTEILTE BELEUCHTUNGSNETZWERKE

Title (fr)
RÉSEAUX D'ÉCLAIRAGE DISTRIBUÉS

Publication
EP 3340745 A1 20180627 (EN)

Application
EP 18154588 A 20120427

Priority
• EP 18154588 A 20120427
• EP 12721786 A 20120427
• EP 2012057843 W 20120427

Abstract (en)
Described herein is an autonomous distributed lighting network (100) which comprises a plurality of luminaires for providing lighting levels in accordance with idle dimming profiles, at least one sensor for sensing ambient conditions, and a communications network. Luminaire nodes (210, 220, 230, 240, 250, 260), sensor nodes (310, 320, 330), a timer node (110) and a controller node (120) are connectable to the communications network. Each luminaire node (210, 220, 230, 240, 250, 260) is associated with a luminaire and is operable for receiving broadcast messages from the communications network, the luminaire overriding its normal idle dimming profile in response to an appropriate broadcast message. Each sensor node (310, 320, 330) is associated with at least one sensor device and transmits broadcast messages onto the communications network in accordance with events sensed by each related sensor device. A timer node (110), if present, provides time synchronisation for the luminaires within the network (100). In addition, a controller node (120) is used for set up and maintenance of the network (100).

IPC 8 full level
H05B 37/02 (2006.01)

CPC (source: EP US)
H05B 47/115 (2020.01 - EP US); **H05B 47/16** (2020.01 - US); **H05B 47/19** (2020.01 - EP US); **Y02B 20/40** (2013.01 - EP)

Citation (applicant)
EP 1239704 A1 20020911 - OCEM SPA [IT]

Citation (search report)
• [XII] US 2006125426 A1 20060615 - VESKOVIC DRAGAN [US], et al
• [XI] WO 2009129232 A1 20091022 - DIGITAL LUMENS INC [US], et al
• [A] WO 2009126024 A1 20091015 - ELDOLAB HOLDING BV [NL], et al

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